Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the Soil Survey Manual and many of the technical terms used in the description are defined in Soil Taxonomy.

Counties with Published Soil Surveys

Technical soil descriptions are located in the county soil survey descriptive legend.

Counties without Published Soil Surveys

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our Official Soil Series Description web site.

This section includes:

- **(a) Classification of the soils**

Barton County, Missouri
Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
ASKEW	Fine-silty, mixed, thermic Aquic Hapludalfs
BARCO	Fine-loamy, mixed, thermic Mollic Hapludalfs
BARDEN	Fine, mixed, thermic Aquollic Hapludalfs
BOLIVAR	Fine-loamy, mixed, thermic Ultic Hapludalfs
BRONAUGH	Fine, mixed, thermic Mollic Hapludalfs
CARYTOWN	Fine, mixed, thermic Albic Natraqualfs
CHEROKEE	Fine, mixed, thermic Typic Albaqualfs
*CLEORA	Coarse-loamy, mixed, thermic Fluventic Hapludolls
COLLINSVILLE	Loamy, siliceous, thermic Lithic Hapludolls
CRELDON	Fine, mixed, mesic Mollic Fragiudalfs
HECTOR	Loamy, siliceous, thermic Lithic Dystrochrepts
HEPLER	Fine-silty, mixed, thermic Mollic Endoaqualfs
KANIMA	Loamy-skeletal, mixed, nonacid, thermic Alfic Udarents
KEENO	Loamy-skeletal, siliceous, mesic Mollic Fragiudalfs
LANTON	Fine-silty, mixed, thermic Cumulic Epiaquolls
LEBANON	Fine, mixed, mesic Typic Fragiudalfs
LIBERAL	Fine, mixed, thermic Aquollic Hapludalfs
NEWTONIA	Fine-silty, mixed, thermic Typic Paleudolls
*NIXA	Loamy-skeletal, siliceous, mesic Glossic Fragiudults
PARSONS	Fine, mixed, thermic Mollic Albaqualfs
RADLEY	Fine-silty, mixed, thermic Fluventic Hapludolls
SUMMIT	Fine, smectitic, thermic Vertic Argiudolls
VERDIGRIS	Fine-silty, mixed, thermic Cumulic Hapludolls